

Title (en)  
TRANSMISSION DEVICE AND ADJUSTMENT METHOD THEREOF

Title (de)  
ÜBERTRAGUNGSEINRICHTUNG UND EINSTELLVERFAHREN DAFÜR

Title (fr)  
DISPOSITIF DE TRANSMISSION ET PROCEDE DE REGLAGE DE CELUI-CI

Publication  
**EP 1598943 B1 20080416 (EN)**

Application  
**EP 04707656 A 20040203**

Priority  
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• JP 2003029792 A 20030206

Abstract (en)  
[origin: EP1598943A1] It is an object of the present invention to output a stable output signal having little distortion by adjusting a delay time of an amplitude signal path and a phase signal path. <??>In an amplitude phase extracting part (2), amplitude data and phase data are extracted from a transmit data signal and outputted. Then, in an amplitude modulating part (3), the amplitude of the amplitude data is modulated and an amplitude modulating signal is inputted to a non-linear amplifying part (5) as a source voltage value. Further, in a phase modulating part (4), the phase of the phase data is modulated and a phase modulating signal is supplied to the non-linear amplifying part (5) as an input signal. In the non-linear amplifying part (5), the phase modulating signal is multiplied by the amplitude modulating signal to output an RF signal with a prescribed gain amplified. Here, a delay part (12) is provided in a pre-stage of the amplitude modulating part (3) and a delay part (13) is provided in a pre-stage of the phase modulating part (4), respectively to adjust the delay time of an amplitude signal path and a phase signal path. Thus, the quantities of delay are allowed to correspond to each other to reduce a distortion generated due to the difference in delay time between both the paths. <IMAGE>

IPC 8 full level  
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**H04B 1/0475** (2013.01 - EP US); **H03F 2200/331** (2013.01 - EP US)

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EP1845624A4; EP1811735A1; EP1806838A1; EP2037587A4; EP1847013A4; GB2479859A; GB2479859B; EP2232713A4; EP3435613A1; EP3716560A1; EP3941011A1; US7920029B2; WO2007148753A1; US7664202B2; US7447484B2; US8514018B2; WO2006085177A2; WO2007091212A1

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